Boice et al.
END920010005US1 WHS

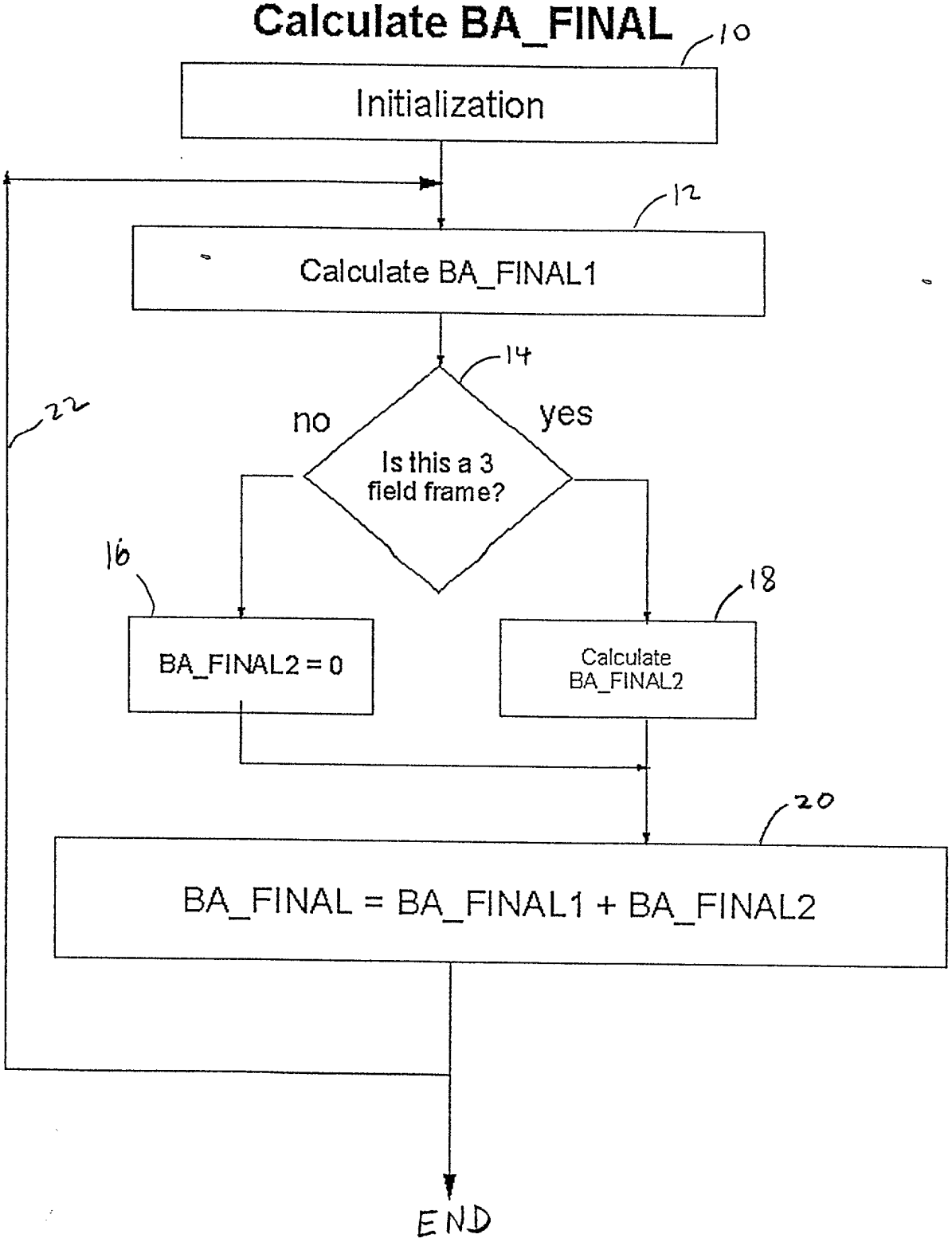

FIG. 1

END920010005US1 WHS

Calculate BA_FINAL1

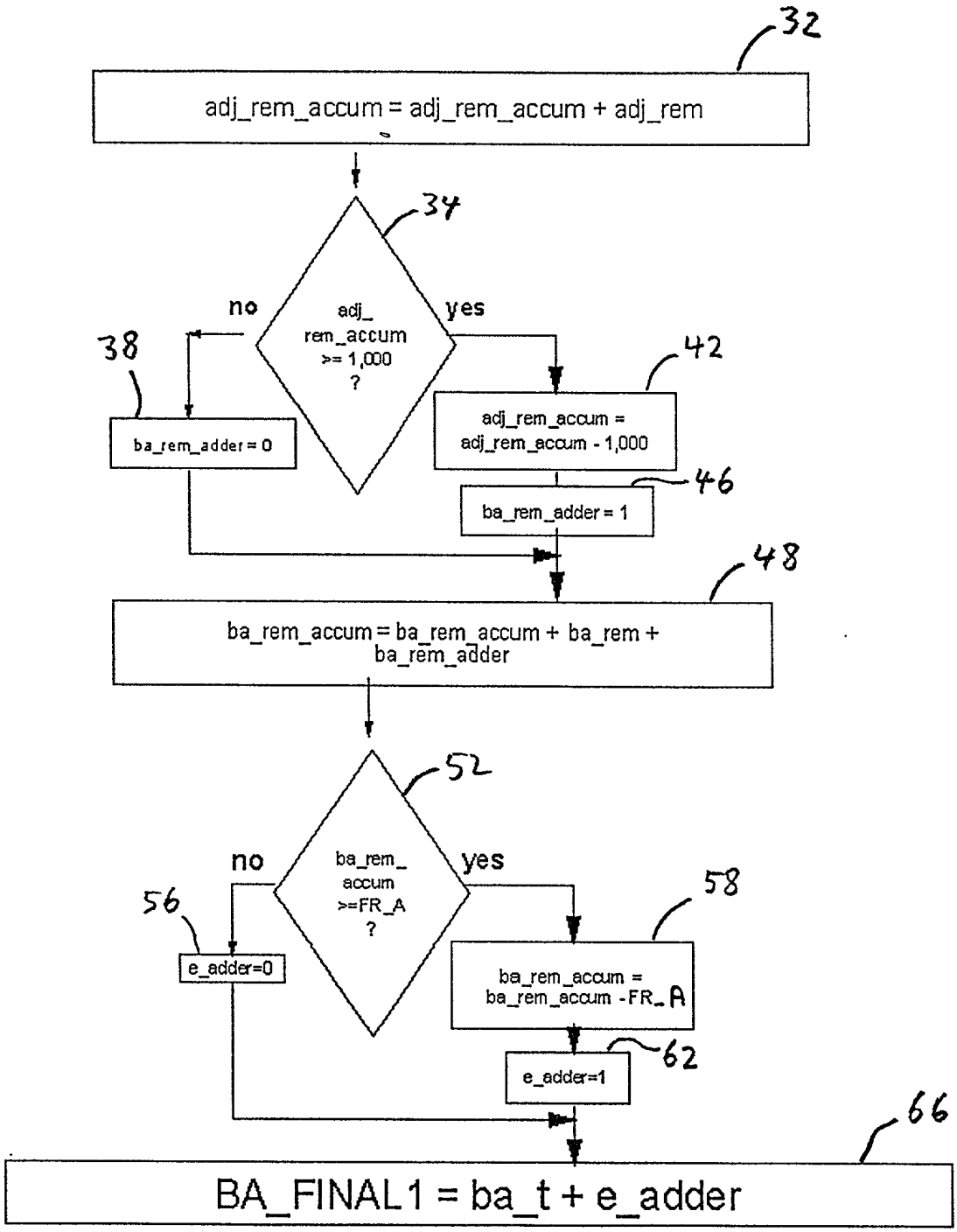

FIG. 2

END920010005US1 WHS

Calculate BA_FINAL2

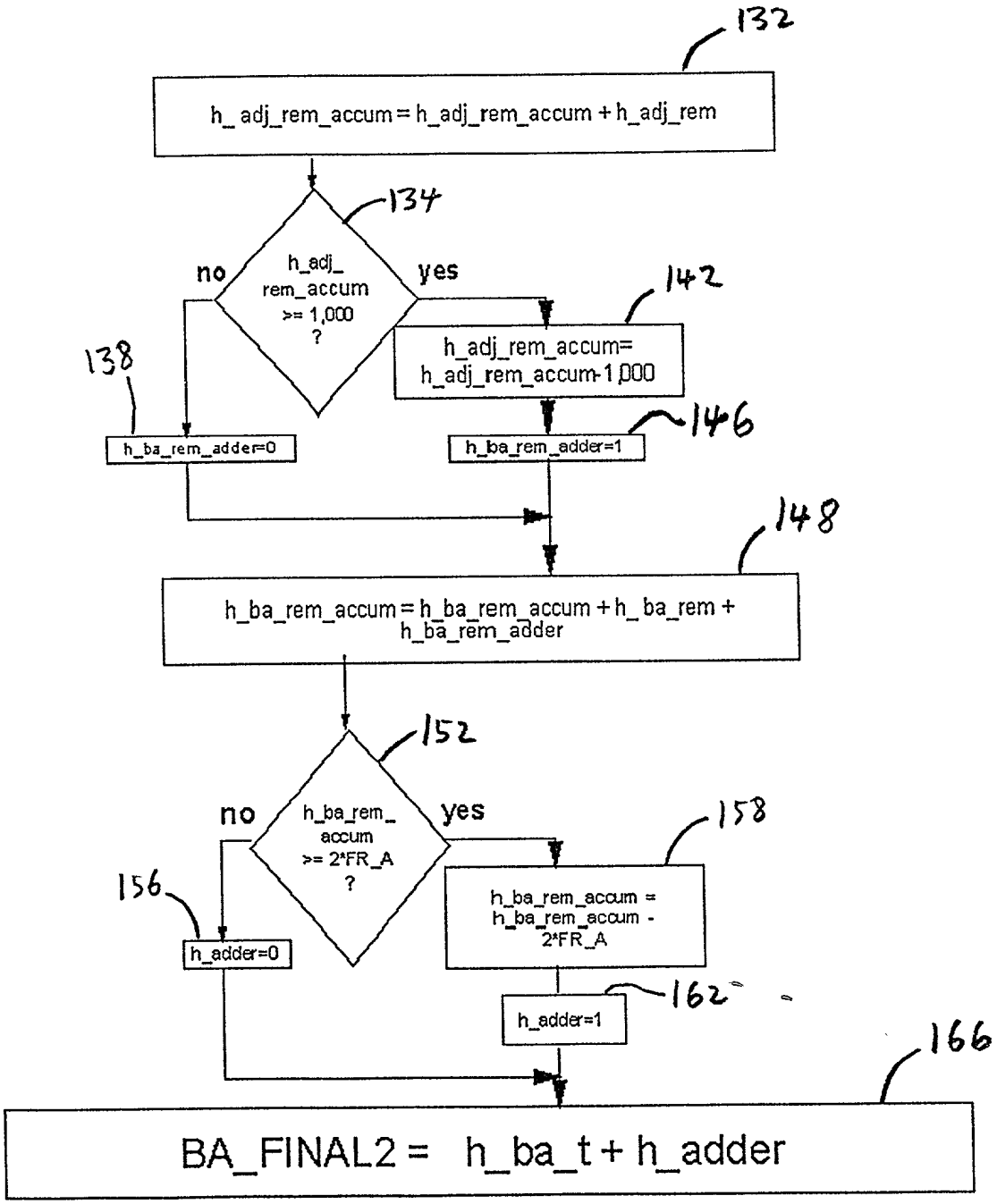

FIG. 3

END9 20010005US1 WHS

Example of BA_FINAL1 Calculations. All values shown are at the end of the iteration. Iteration 0 represents the initialization block 10 of FIG. 1.

Iteration	adj_rem_accum	ba_rem_adder	ba_rem_accum	e_adder	BA_FINAL1
0	0		0		
1	320	0	6	0	878
2	640	0	12	0	878
3	960	0	18	0	878
4	280	1	25	0	878
5	600	0	1	1	879
6	920	0	7	0	878
7	240	1	14	0	878
8	560	0	20	0	878
9	880	0	26	0	878
10	200	1	3	1	879
11	520	0	9	0	878

FIG. 4

Docket No. 9

END920010005US1 WHS

Example of BA_FINAL2 Calculations. All values shown are at the end of the iteration. Iteration 0 represents the initialization block 10 of FIG. 1. Only "YES" iterations are shown.

Iteration	h_adj_rem_accum	h_ba_rem_adder	h_ba_rem_accum	h_adder	BA_FINAL2
0	0		0		
3	320	0	6	0	439
4	640	0	12	0	439
6	960	0	18	0	439
9	280	1	25	0	439
10	600	0	31	0	439
11	920	0	37	0	439
15	240	1	44	0	439
18	560	0	50	0	439
19	880	0	56	0	439
22	200	1	3	1	440
23	520	0	9	0	439

FIG. 5

Attorney Docket No. END920010005US1

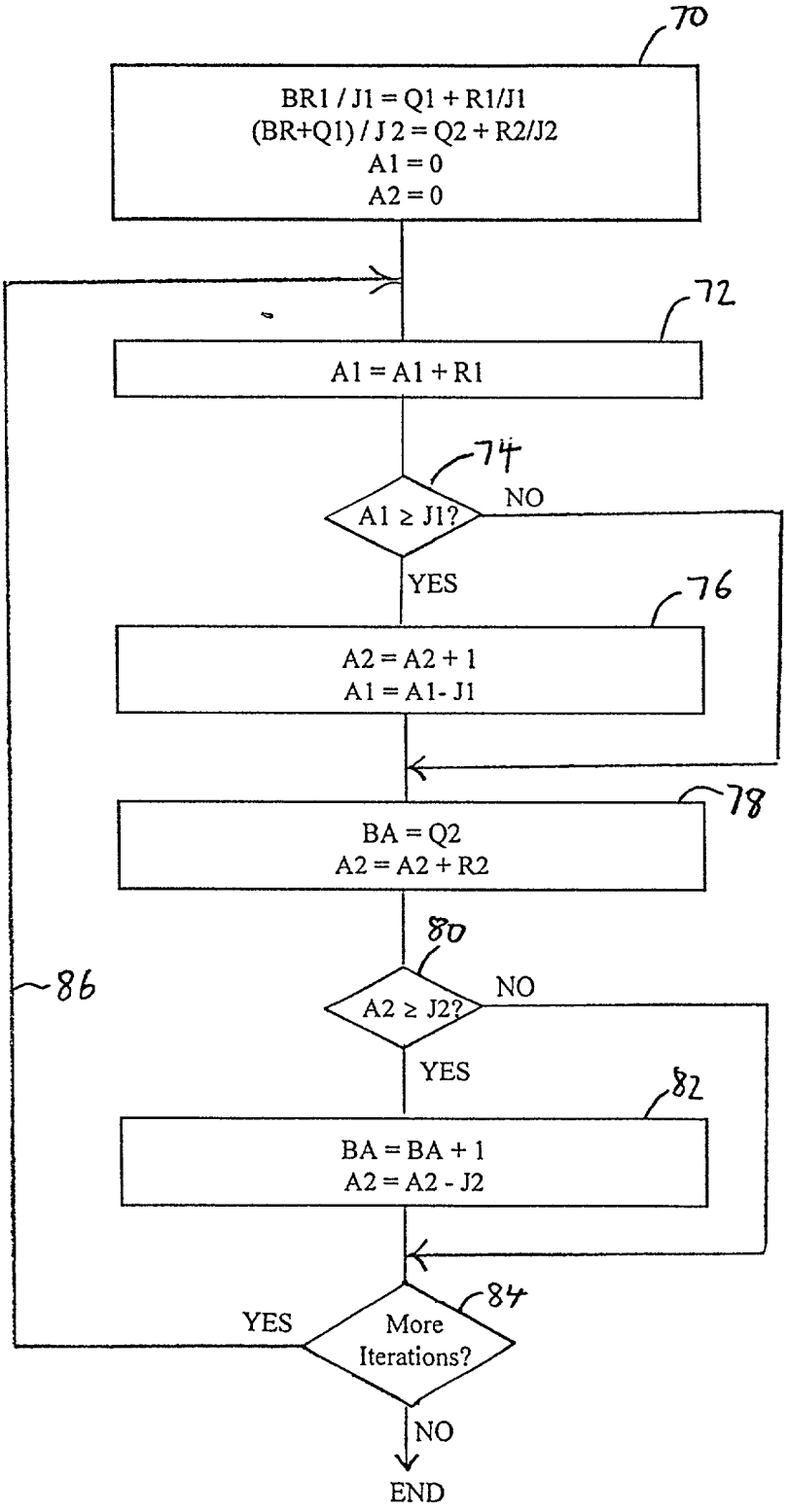
70
BR1 / J1 = Q1 + R1/J1
(BR+Q1) / J 2 = Q2 + R2/J2
A1 = 0
A2 = 0
72
A1 = A1 + R1
74
A1 ≥ J1?
NO
YES
76
A2 = A2 + 1
A1 = A1- J1
78
BA = Q2
A2 = A2 + R2
80
A2 ≥ J2?
NO
YES
82
BA = BA + 1
A2 = A2 - J2
86
84
More Iterations?
YES
NO
END

FIG. 6

END920010005US1 WHS

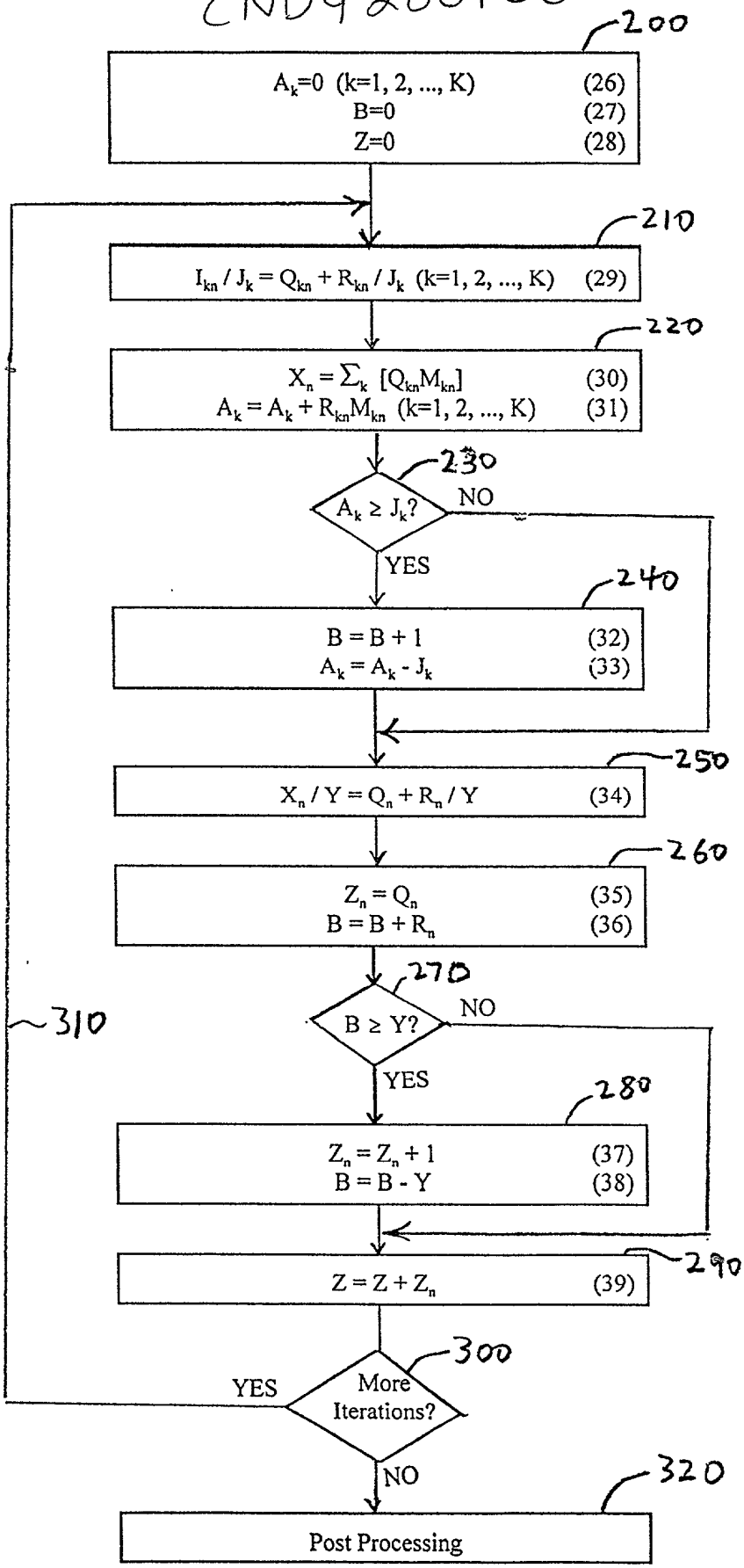

FIG. 7

END920010005US1 WHS

Example Illustrating the Algorithm of FIG. 7. Numbers followed by an asterisk (*) denote that the accumulator A_1 or A_2 has reached or exceeded its maximum allowed value in the iteration, resulting in incrementing B by 1. Numbers followed by a double asterisk (**) denote that the accumulator B has reached or exceeded its maximum allowed value in the iteration, resulting in incrementing Z_n by 1.

Iter (n)	Q_{1n}	R_{1n}	A_1	Q_{2n}	R_{2n}	A_2	X_n	Q_n	R_n	B	Zn	Z
0			0			0				0		0
1	5	1	3	10	2	2	25	4	1	1	4	4
2	5	1	6	10	2	0 *	25	4	1	3	4	8
3	5	1	9	10	2	2	25	4	1	4	4	12
4	5	1	2 *	10	2	0 *	25	4	1	1 **	5	17
5	5	1	5	10	2	2	25	4	1	2	4	21
Post Processing												21.50

FIG. 8

Serial No. 09/751,182

9/9

END9 20010005051 WHS

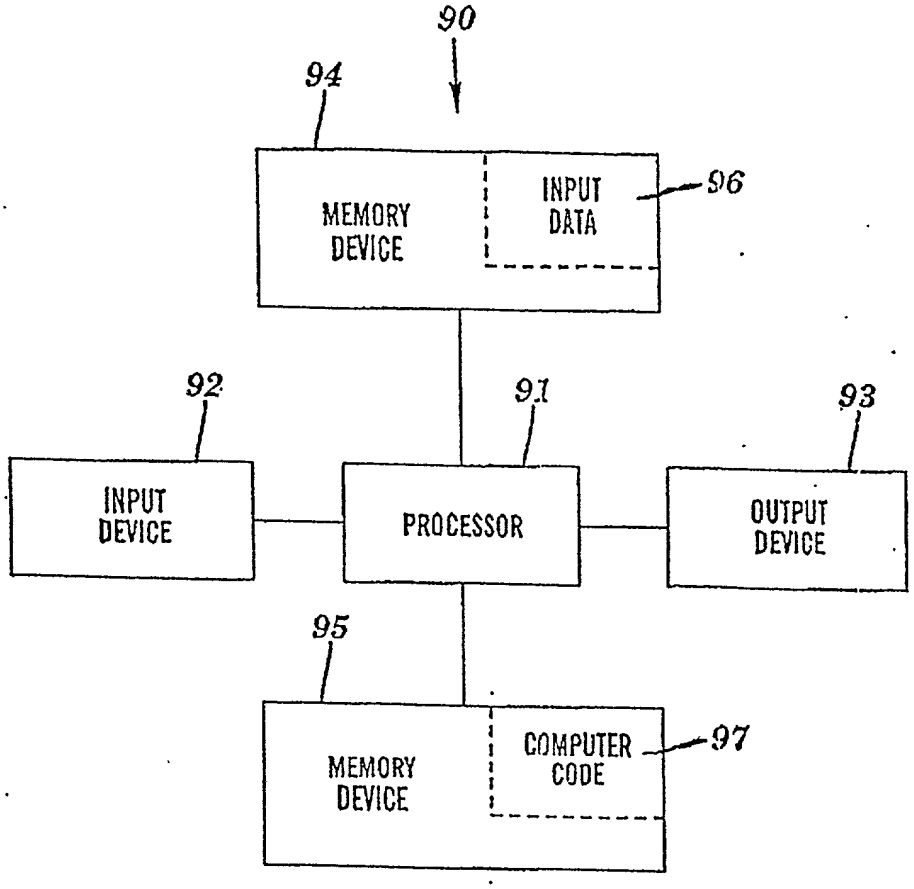

FIG. 9